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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,788	08/01/2001	Gordon James Yorke	OR02-13501	5192

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ORACLE INTERNATIONAL CORPORATION
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EXAMINER

BULLOCK JR, LEWIS ALEXANDER

ART UNIT	PAPER NUMBER
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2195

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/03/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

09/920,788

Applicant(s)

YORKE ET AL.

Examiner

Lewis A. Bullock, Jr.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5,6,12,13,15,16 and 32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5,6,12,13,15,16 and 32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3, 5, 6, 12, 13, 15, 16 and 32 are rejected under 35 U.S.C. 102(e) as being anticipated by ERICKSON (U.S. Patent 6,892,210).

As to claim 1, ERICKSON teaches a method for synchronizing object caches (databases) (col. 2, lines 42 – col. 3, line 27), the method comprising: changing a first object (record / field) in a first system (user computer), a second object (record / field) in a second system (user computer), and a third object (record / field) in a third system (user computer), wherein each object contains at least one unchanged attribute (fields that are not modified / fields that are not synchronized); determining a first object change set (deleted record of the database), a second object change set (another deleted record of the database), and a third object change set (another deleted record of the database), which represents the changes made to the first object (record), the second object (record), and the third object (record), respectively, and wherein an object change set contains an attribute if and only if the attribute has been changed (via determining whether action = delete and if so, sending a message to delete record in

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other databases) (col. 4, lines 58-65; col. 5, lines 9-22; col. 8, lines 28-57; col. 9, lines 30-45; col. 21, lines 1-27; col. 21, lines 55-65); and sending the object change set from the a respective system directly to the other systems which causes the respective systems to use their respective merging units to apply the object change set to the corresponding objects in the respective other systems (col. 21, lines 1-27; col. 21, lines 55-65).

As to claim 2, ERICKSON teaches a step of synchronizing databases between the first and second systems (VIA determining the computer users within the sharing community whose database table is to be synchronized with the Sync computer and sending a synchronization message to those computers) (col. 14, lines 22-41; col. 14, lines 54-67; col. 22, lines 24-34). It is inherent to the teachings of ERICKSON that in order to synchronize over a network of computers, a communication link must be established such that the synchronization message is sent over the communication link (See also col. 17, lines 1-20)

As to claim 3, ERICKSON teaches that the other users computer hare subscribed / registered / interested in a synchronization message from the user (via determining whether action = delete and if so, sending a message to delete record in other databases) (col. 4, lines 58-65; col. 5, lines 9-22; col. 8, lines 28-57; col. 9, lines 30-45; col. 21, lines 1-27; col. 21, lines 55-65). It is inherent to the teachings of ERICKSON that the communication between the user computers are a publish and

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subscribe since a Sync computer must determine based upon the other registered user computers of whom to send the synchronization message to.

As to claim 5, ERICKSON teaches sending the object change set to a database for updating the correspond object in the database (via the user / sync computer performing the changes first on its database before sending the message) (col. 9, lines 31-44).

As to claim 6, ERICKSON teaches determining whether the Sync computer accepts the modifications, and if so, the Sync object is similarly used to change the Remote Database Table and to update the corresponding record (col. 9, lines 31-44). ERICKSON also teaches that the invention is used to synchronize database records throughout the sharing community (abstract). It is inherent to the teachings of ERICKSON that should the changes not be accepted that no message is sent, since ERICKSON synchronizes database records across a sharing community and the changes were not approved on the Sync computer.

As to claims 12, 13, 15 and 16, refer to claims 1, 2, 5 and 6 for rejection.

As to claim 32, reference is made to a computer storage medium that corresponds to the method of claim 1 and is therefore met by the rejection of claim 1 above.

Response to Arguments

Applicant's arguments with respect to claims 1-3, 5, 6, 12, 13, 15, 16 and 32 have been considered but are moot in view of the new ground(s) of rejection. A copy of the provision application related to the applied U.S. Patent 6,892,210 is provided.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lewis A. Bullock, Jr. whose telephone number is (571) 272-3759. The examiner can normally be reached on Monday-Friday, 8:30 a.m. - 5:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

March 27, 2007



LEWIS A. BULLOCK, JR.
PRIMARY EXAMINER